



# CONTROL POWER TRANSFORMERS



c3controls' Series CPT Control Power Transformers are open-type control transformers ranging from 50 to 5000VA with reliable output voltage stability and designed for lower inrush applications (Lighting, Motor Control, Circuit Isolation, etc). These transformers are commonly preferred solutions to power control circuits including: PLCs, protective relays, meters, control panels, and other auxiliary devices. Additionally, they are widely used in electrical substations, data centers, and other power systems.

## Section 37

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## PROVEN



### Conformity to Standards:

UL 5085-2  
CSA C22.2 No. 66.2  
IEC 61558

### Certifications:

UL File #: E541700

CE Marked (per EU Low Voltage Directive  
2014/35/EC and RoHS Directive 2015/863/EU)

# CONTROL POWER TRANSFORMERS



At c3controls, we offer a comprehensive line of Control Power Transformers, part of our extensive portfolio designed to meet the specific needs of machine and panel builders. Our products are engineered for reliability and performance, ensuring durability in demanding applications while remaining cost-effective. With a focus on providing robust solutions, our transformers are built to last and are available at competitive price points. Explore the full range of features and benefits of our Series CPT to see how our transformers can elevate your project with both quality and value.

## DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

|                                        |                                                                                                                                                                                                |                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| ✓ <b>Proven</b>                        | Our Control Power Transformers are certified to UL Standards and CE marked for global versatility.                                                                                             | The UL logo (a circle with 'UL' inside) and the CE mark. |
| ✓ <b>Easy to Install</b>               | Panel-mountable with four screws, one in each corner, for fast and simple installation as well as reliability in vibrating environments.                                                       |                                                          |
| ✓ <b>Simple Wiring</b>                 | Integrated molded terminal blocks, equipped with IP20 protection, facilitate simplified wiring and safeguard against accidental contact with the power source.                                 |                                                          |
| ✓ <b>Limited Lifetime Warranty*</b>    | Every product is backed by our limited lifetime warranty—unmatched in the industry—bringing you quality components that perform in the most demanding applications.                            |                                                          |
| ✓ <b>Guaranteed Same-Day Shipping*</b> | Product availability reduces inventory and improves cash-flow—saving you money. With c3controls any order for standard catalog items received by 6:00pm ET is guaranteed to ship the same day. |                                                          |
| ✓ <b>Advantage Pricing</b>             | Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.                   |                                                          |

\*See c3controls Terms & Conditions

CPT1-0050-RD-FD



CPT1-0250-RD-FD



CPT1-3000-RD-FD



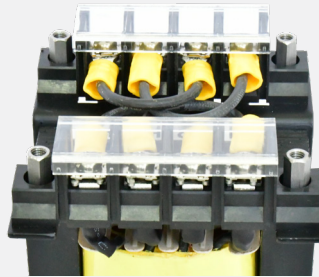
## UNIQUE PRODUCT LINE FEATURES

### WIDE RANGE OF VA RATINGS



Available in multiple VA ratings from 50VA to 5000VA.

### EASE OF WIRING



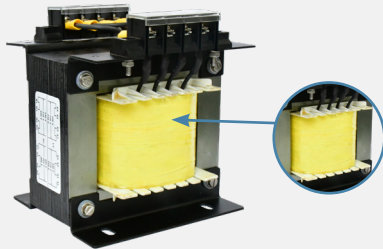
Integrated terminal blocks and a finger-safe terminal guard, with IP20 protection on primary as well as secondary sides.

### CLEAR TERMINAL IDENTIFICATION



Improved terminal identification through clear labeling helps save time.

### CLASS H



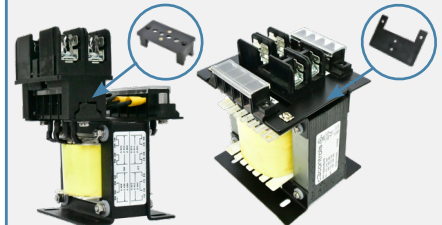
Each transformer variant features a Class H insulation system, ensuring the highest level of safety for your control application.

### DUAL FREQUENCY RATING



With a versatile dual frequency rating of 50/60Hz, these products are well-suited for global applications.

### FUSE MOUNTING ACCESSORY



An optional fuse block adapter kit can be added to a variant up to 3000VA (or a variant having current up to 30A) for overcurrent protection, applicable for both primary and secondary sides of the transformer.

# FIND IT FAST

Control Power Transformers



c3controls.com

- Certifications
- Specifications
- Dimension Drawings
- Installation Instructions
- Easy to Buy

**IT'S EASY TO BUILD YOUR OWN CONTROL POWER TRANSFORMER**

Simply pick the code number from each of the sections below and combine them to build your part number.

**Control Power Transformer**

**CPT1** -   -    
/      //      ///

Example: To build one of our most popular Control Power Transformers, the part number would be **CPT1 + II + III** or **CPT1-0050-RD-FD**



**I. PRODUCT TYPE**

| CODE | DESCRIPTION               |
|------|---------------------------|
| CPT1 | Control Power Transformer |

**II. ELECTRIC POWER**

| CODE                        | DESCRIPTION | FOR USE WITH PRIMARY-<br>SECONDARY CODES      | LIST      |
|-----------------------------|-------------|-----------------------------------------------|-----------|
| FOR SINGLE SECONDARY OUTPUT |             |                                               |           |
| 0050                        | 50 VA       | RD-FD,<br>TS-DS,<br>RD-CS,<br>PM-DS,<br>RM-FD | \$ 86.40  |
| 0075                        | 75 VA       |                                               | \$ 95.10  |
| 0100                        | 100 VA      |                                               | \$ 103.70 |
| 0150                        | 150 VA      |                                               | \$ 122.90 |
| 0250                        | 250 VA      |                                               | \$ 165.20 |
| 0350                        | 350 VA      |                                               | \$ 222.70 |
| 0500                        | 500 VA      |                                               | \$ 266.90 |
| 0750                        | 750 VA      |                                               | \$ 361.10 |
| 1000                        | 1000 VA     |                                               | \$ 409.10 |
| 1500                        | 1500 VA     |                                               | \$ 531.90 |
| 2000                        | 2000 VA     |                                               | \$ 760.50 |
| 3000                        | 3000 VA     |                                               | \$1244.50 |
| 5000                        | 5000VA*     |                                               | \$2036.55 |
| FOR DUAL SECONDARY OUTPUT   |             |                                               |           |
| 0050                        | 50 VA       | TM-DD                                         | \$ 121.00 |
| 0075                        | 75 VA       |                                               | \$ 133.10 |
| 0100                        | 100 VA      |                                               | \$ 145.20 |
| 0150                        | 150 VA      |                                               | \$ 172.10 |
| 0250                        | 250 VA      |                                               | \$ 231.20 |
| 0350                        | 350 VA      |                                               | \$ 311.90 |
| 0500                        | 500 VA      |                                               | \$ 373.70 |
| 0750                        | 750 VA      |                                               | \$ 505.50 |
| 1000                        | 1000 VA     |                                               | \$ 572.70 |

**III. PRIMARY-SECONDARY**

| CODE                           | PRIMARY                               | SECONDARY                  |
|--------------------------------|---------------------------------------|----------------------------|
| <b>SINGLE SECONDARY OUTPUT</b> |                                       |                            |
| RD-FD                          | 220/230/240V, 440/460/480V            | 110/115/120V, 220/230/240V |
| TS-DS                          | 550/575/600V*                         | 110/115/120V*              |
| RD-CS                          | 240V, 480V*                           | 24V*                       |
| PM-DS                          | 208V, 277V*                           | 120V*                      |
| RM-FD                          | 380V, 400V, 415V*                     | 110V, 220V*                |
| <b>DUAL SECONDARY OUTPUT</b>   |                                       |                            |
| TM-DD                          | 200/208V, 220/230/240V, 440/460/480V* | 24/25/26V, 110/115/120V*   |

DISCOUNT  
SCHEDULE

**E**

\*NOTE: Products marked with \* are not available for same-day shipping. Contact our Customer First Team for lead times and minimum order quantities.

**SOME OF OUR POPULAR CONFIGURATIONS:**

**CONTROL POWER TRANSFORMERS**

| CODE            | DESCRIPTION                                                                                                                     | LIST     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|----------|
| CPT1-0050-RD-FD | Control Power Transformer, 50VA, Pri: 220/230/240V, 440/460/480V, Sec: 110/115/120V, 220/230/240V, UL 5085-2, CE Marked         | \$ 86.40 |
| CPT1-0100-RD-FD | Control Power Transformer, 100VA, Pri: 220/230/240V, 440/460/480V, Sec: 110/115/120V, 220/230/240V, UL 5085-2, CE Marked        | \$103.70 |
| CPT1-0050-TM-DD | Control Power Transformer, 50VA, Pri: 200/208V, 220/230/240V, 440/460/480V, Sec: 24/25/26V, 110/115/120V, UL 5085-2, CE Marked  | \$121.00 |
| CPT1-0150-TM-DD | Control Power Transformer, 150VA, Pri: 200/208V, 220/230/240V, 440/460/480V, Sec: 24/25/26V, 110/115/120V, UL 5085-2, CE Marked | \$172.10 |

## CONTROL POWER TRANSFORMERS

c3controls offers a comprehensive range of Control Power Transformers (CPT) designed with precise attention to detail, catering to a wide array of applications. Whether it's Control Panels, Motor Control Centers, HVAC Systems, or the complex demands of industrial environments, these transformers offer versatile solutions with a wide range of options from 50 to 5000 VA with six distinct voltage variants. Our CPTs feature integrated terminal blocks for convenient and flexible connections.

Product features include:

- Transformer windings are subjected to a vacuum pressure impregnation (VPI) using insulating varnish to enhance dielectric strength and thermal performance.
- High-quality silicon steel laminations are used to reduce core losses and enhance performance.
- The integrated terminal block, equipped with a finger guard, enhances safety and reliability.
- Designed to optimize efficiency, reducing energy waste during conversion and isolation.
- Designed with high-quality materials to resist adverse environmental factors and rigorously evaluated to adhere to stringent UL safety standards, providing industry-leading safety for your peace of mind.
- The unrestricted airflow facilitated by the open design enables rapid cooling.
- Capable of handling dynamic loads effectively, suitable for industrial applications with fluctuating power demands.
- Ability to provide multiple voltage outputs from a single unit.



## ACCESSORIES

### Fuse Block Adapter Plates

The Fuse Block Adapter Plate facilitates the seamless installation of fuse blocks on transformers, ensuring a secure and efficient setup. Engineered for universal compatibility, it supports transformers across a wide range (50 – 3000 VA), providing enhanced flexibility for diverse applications.

Note: The Fuse Block Adapter Plate provides only the mechanical means of attaching a third-party aftermarket fuse block; electrical compatibility and wiring must be ensured separately.



| CODE       | FOR USE WITH                 | LIST     |
|------------|------------------------------|----------|
| CPT1-FBAP1 | 50VA to 150VA Transformers   | \$ 10.60 |
| CPT1-FBAP2 | 250VA to 3000VA Transformers | \$ 10.60 |



# TRANSFORMERS SELECTION GUIDE

## Selection of Proper VA rating of Transformer:

In order to choose the appropriate transformer, you must first identify three characteristics of the load circuit: the total steady-state (sealed) VA, the total inrush VA, and the inrush load power factor.

1. The total steady-state (sealed) VA refers to the volt-amperes that the transformer needs to supply to the load circuit continuously. This represents the amount of current required to maintain the contact within the circuit. (Calculate by adding the total steady-state VA of all devices in your control circuit.)
2. Total inrush VA represents the volt-amperes that the transformer is required to supply when the control circuit is initially powered on. This value is determined by summing the inrush VA of all components that are energized at startup. Additionally, it is important to include the VA of components which do not have inrush VA, such as indicating lights, lamps, timers, etc, since they also impose a load on the transformer during peak inrush.
3. The total inrush VA can be computed using the following formula:

$$\text{Total Inrush VA} = \sqrt{(VA \text{ sealed})^2 + (VA \text{ inrush})^2}$$

4. To determine the appropriate VA rating, consult the Regulation Data Table. If the nominal supply voltage exhibits a fluctuation of no more than 5%, reference the 90% secondary voltage column. For supply voltage variations up to 10%, utilize the 95% secondary voltage column. The 85% secondary voltage column provides minimum values necessary for correct electromagnetic device operation and should be employed solely as a reference.
5. Using the provided regulation data table, select a transformer with a continuous VA rating that meets or exceeds the value calculated in Step 1, and with a maximum inrush VA rating that matches or surpasses the value determined in Step 3.

**SERIES CPT VOLTAGE REGULATION TABLE**

| CONTINUOUS VA<br>TRANSFORMER NAMEPLATE | INRUSH VA @ 40% POWER FACTOR |                       |                       |
|----------------------------------------|------------------------------|-----------------------|-----------------------|
|                                        | 85% SECONDARY VOLTAGE        | 90% SECONDARY VOLTAGE | 95% SECONDARY VOLTAGE |
| 50                                     | 177                          | 139                   | 102                   |
| 100                                    | 350                          | 275                   | 203                   |
| 150                                    | 715                          | 554                   | 400                   |
| 250                                    | 1653                         | 1264                  | 895                   |
| 350                                    | 2604                         | 1947                  | 1321                  |
| 500                                    | 4004                         | 3023                  | 2090                  |
| 750                                    | 6933                         | 5088                  | 3352                  |
| 1000                                   | 10087                        | 7340                  | 4764                  |
| 1500                                   | 14178                        | 10232                 | 6508                  |
| 2000                                   | 17604                        | 12669                 | 8080                  |
| 3000                                   | 39213                        | 27539                 | 16780                 |
| 5000                                   | 68344                        | 47498                 | 28803                 |

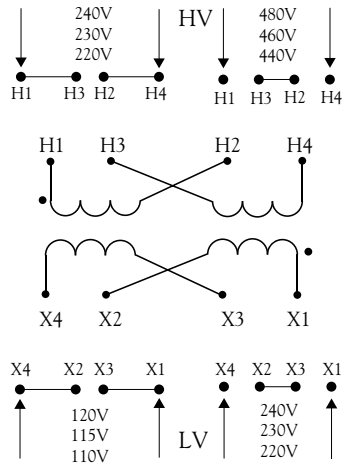
Note: It is advisable to select a control transformer with a power factor of 40%. Many circuit components, particularly electromagnetic devices, exhibit inherently low power factors approximating this value. By choosing a transformer with a 40% power factor, sufficient capacity is ensured to accommodate the diverse load characteristics within the circuit.

## SPECIFICATIONS:

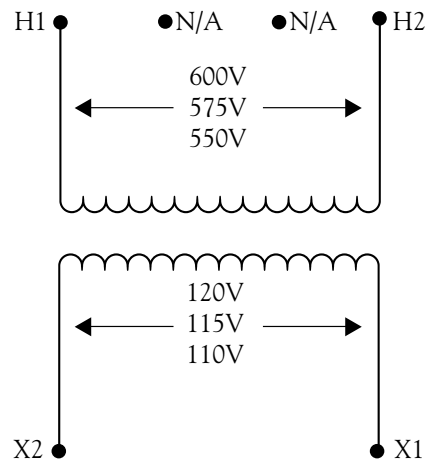
| CONTROL POWER TRANSFORMER SPECIFICATIONS                        |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
|-----------------------------------------------------------------|---------|--------------------------------------------------------------------|----------|-------------|-------------|------------------|-----------------------------------|-------|-------|-------|---------------------|---------------------------|----------------|
| ELECTRICAL GENERAL                                              |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
|                                                                 | UNITS   |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Rating                                                          | VA      | 50, 75, 100, 150, 250, 300, 500, 750, 1000, 1500, 2000, 3000, 5000 |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Primary Voltage                                                 | V       | 220/230/240, 440/460/480                                           | 240, 480 | 550/575/600 | 0, 208, 277 | 0, 380, 400, 415 | 200/208, 220/230/240, 440/460/480 |       |       |       |                     |                           |                |
| Secondary Voltage                                               | V       | 110/115/120, 220/230/240                                           | 24       | 110/115/120 | 120         | 110, 220         | 24/25/26, 110/115/120             |       |       |       |                     |                           |                |
| Frequency                                                       | Hz      | 50/60                                                              |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| CURRENT RATINGS                                                 |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
|                                                                 |         | Output Currents in Amp                                             |          |             |             |                  |                                   |       |       |       | Approx. Heat Losses | Percentage Impedance (%Z) | Weight lb (kg) |
| Output Voltage                                                  |         | 24                                                                 | 25       | 26          | 110         | 115              | 120                               | 220   | 230   | 240   |                     |                           |                |
| Rating in VA                                                    |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| 50                                                              |         | 2.08                                                               | 2        | 1.92        | 0.45        | 0.43             | 0.42                              | 0.23  | 0.22  | 0.21  | ≤12W                | 10.30                     | 2.50 [1.14]    |
| 75                                                              |         | 3.13                                                               | 3        | 2.88        | 0.68        | 0.65             | 0.63                              | 0.34  | 0.33  | 0.31  | ≤16W                | 7.67                      | 4.29 [1.95]    |
| 100                                                             |         | 4.17                                                               | 4        | 3.85        | 0.91        | 0.87             | 0.83                              | 0.45  | 0.43  | 0.42  | ≤19W                | 7.74                      | 4.41 [2.00]    |
| 150                                                             |         | 6.25                                                               | 6        | 5.77        | 1.36        | 1.30             | 1.25                              | 0.68  | 0.65  | 0.63  | ≤27W                | 6.93                      | 5.42 [2.46]    |
| 250                                                             |         | 10.42                                                              | 10       | 9.62        | 2.27        | 2.17             | 2.08                              | 1.14  | 1.09  | 1.04  | ≤40W                | 4.23                      | 10.39 [4.71]   |
| 300                                                             |         | 12.50                                                              | 12       | 11.54       | 2.73        | 2.61             | 2.50                              | 1.36  | 1.30  | 1.25  | ≤47W                | 4.20                      | 13.03 [5.91]   |
| 500                                                             |         | 20.83                                                              | 20       | 19.23       | 4.55        | 4.35             | 4.17                              | 2.27  | 2.17  | 2.08  | ≤72W                | 4.53                      | 13.23 [6.00]   |
| 750                                                             |         | 31.25                                                              | 30       | 28.85       | 6.82        | 6.52             | 6.25                              | 3.41  | 3.26  | 3.13  | ≤102W               | 3.50                      | 17.64 [8.00]   |
| 1000                                                            |         | 40.00                                                              | 38.40    | 36.92       | 8.73        | 8.35             | 8.00                              | 4.55  | 4.35  | 4.17  | ≤130W               | 3.14                      | 26.46 [12.00]  |
| 1500                                                            |         | -                                                                  | -        | -           | 13.64       | 13.04            | 12.50                             | 6.82  | 6.52  | 6.25  | ≤185W               | 3.09                      | 32.19 [14.60]  |
| 2000                                                            |         | -                                                                  | -        | -           | 18.18       | 17.39            | 16.67                             | 9.09  | 8.70  | 8.33  | ≤222W               | 3.19                      | 37.25 [16.89]  |
| 3000                                                            |         | -                                                                  | -        | -           | 27.27       | 26.09            | 25.00                             | 13.64 | 13.04 | 12.50 | ≤315W               | 3.76                      | 44.42 [20.15]  |
| 5000                                                            |         | -                                                                  | -        | -           | 45.45       | 43.48            | 41.67                             | 22.73 | 21.74 | 20.83 | ≤500W               | 3.76                      | 57.81 [26.22]  |
| ENVIRONMENTAL                                                   |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Max. Operating Temperature                                      | °C / °F | 40 / 104                                                           |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Insulation Temperature                                          | °C / °F | 180 / 356                                                          |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| MOUNTING/ WIRING                                                |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Mounting Position                                               |         | Any                                                                |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Fastening Method                                                |         | Surface Mounting                                                   |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Type of Electrical Connection at Input/ Output for Main Circuit |         | Screw Type Terminal (Touch Safe)                                   |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| TERMINAL CAPACITY                                               |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Wiring Size                                                     |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| 50 - 3000VA                                                     | AWG     | 18~10                                                              |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| 5000VA                                                          | AWG     | 16~6                                                               |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| Terminal Torque                                                 |         |                                                                    |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| 50 - 3000VA                                                     | N.m     | 1.2                                                                |          |             |             |                  |                                   |       |       |       |                     |                           |                |
| 5000VA                                                          | N.m     | 1.2                                                                |          |             |             |                  |                                   |       |       |       |                     |                           |                |



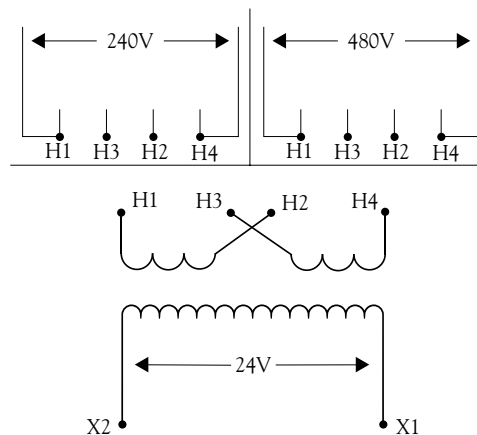
RD-FD (PRI: 220/230/240, 440/460/480V, SEC: 110/115/120 & 220/230/240V)



TS-DS (PRI: 550/575/600V, SEC: 110/115/120V)

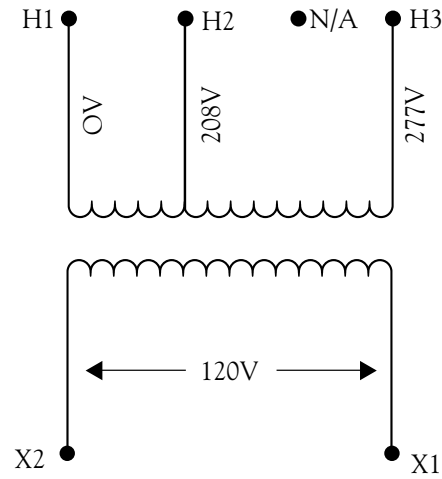


RD-CS (PRI: 240,480V, SEC: 24V)

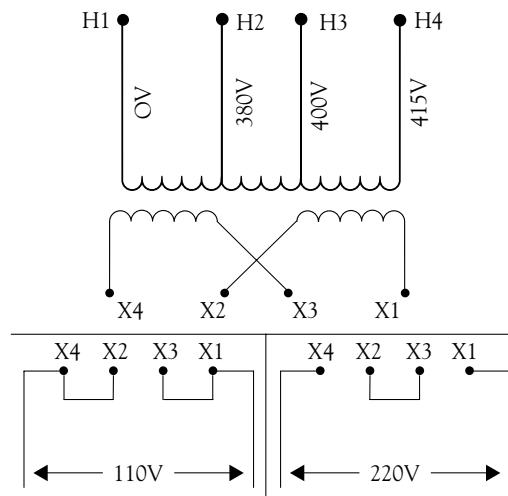




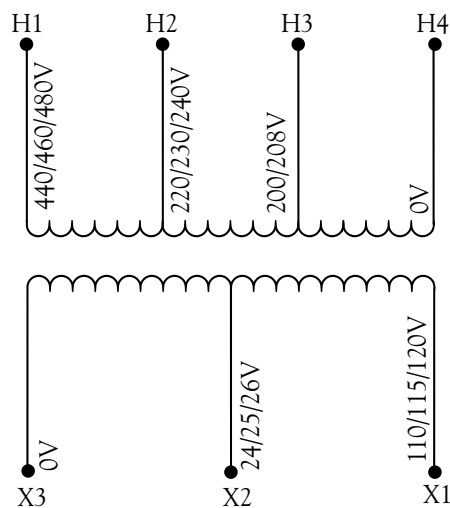
PM-DS (PRI: 208, 277V, SEC: 120V)



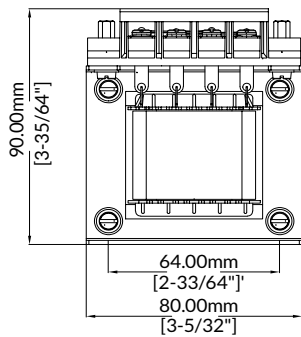
RM-FD (PRI: 380, 400, 415V, SEC: 110, 220V)



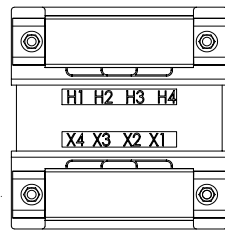
TM - DD (PRI: 200/208, 220/230/240, 440/460/480, SEC: 24/25/26, 110/115/120)



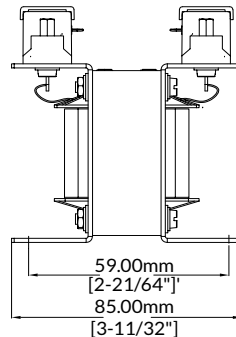
**CPT1-0050- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



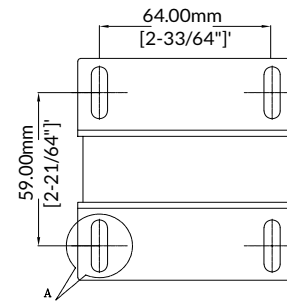
FRONT VIEW



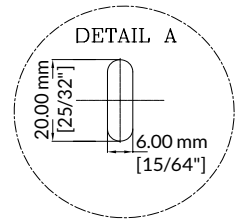
TOP VIEW



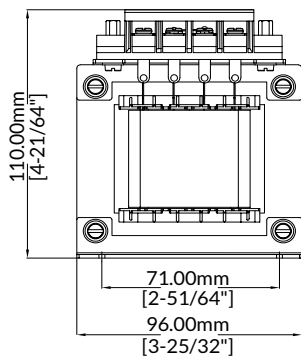
SIDE VIEW



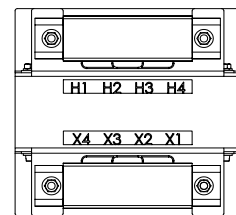
MOUNTING DIMENSIONS



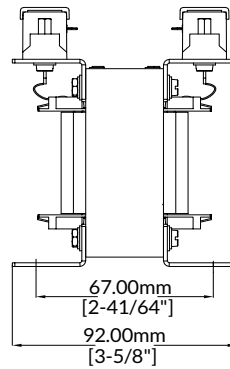
**CPT1-0075/CPT1-0100- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



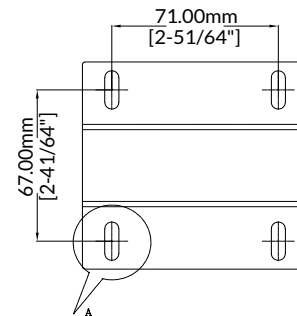
FRONT VIEW



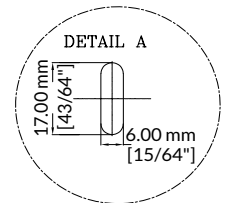
TOP VIEW



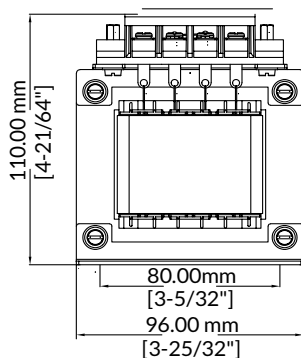
SIDE VIEW



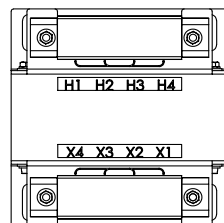
MOUNTING DIMENSIONS



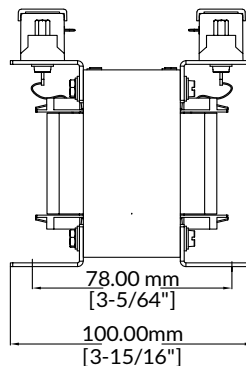
**CPT1-0150- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



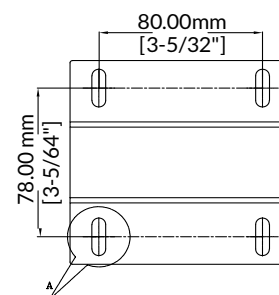
FRONT VIEW



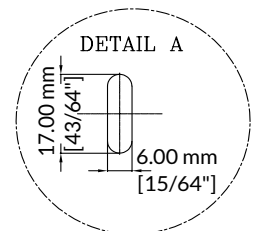
TOP VIEW



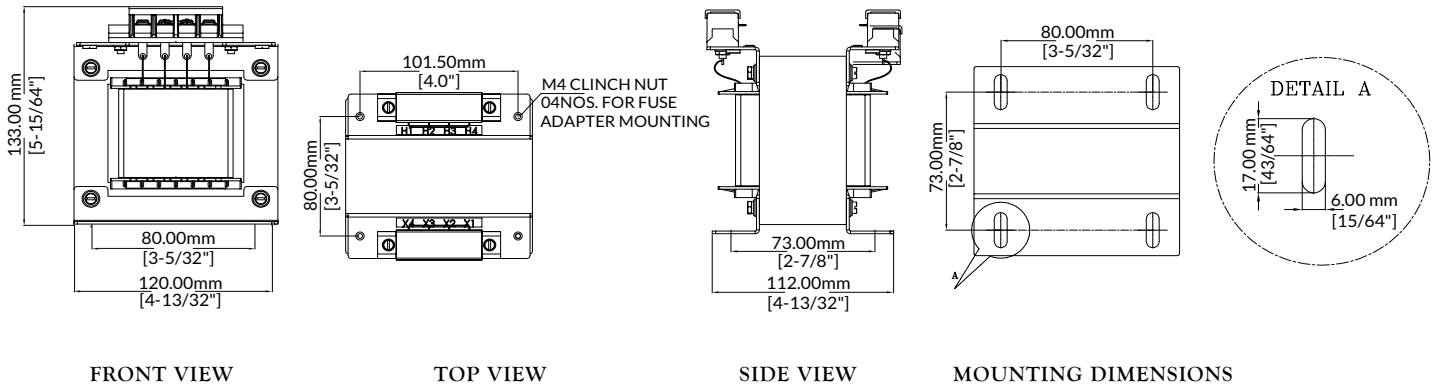
SIDE VIEW



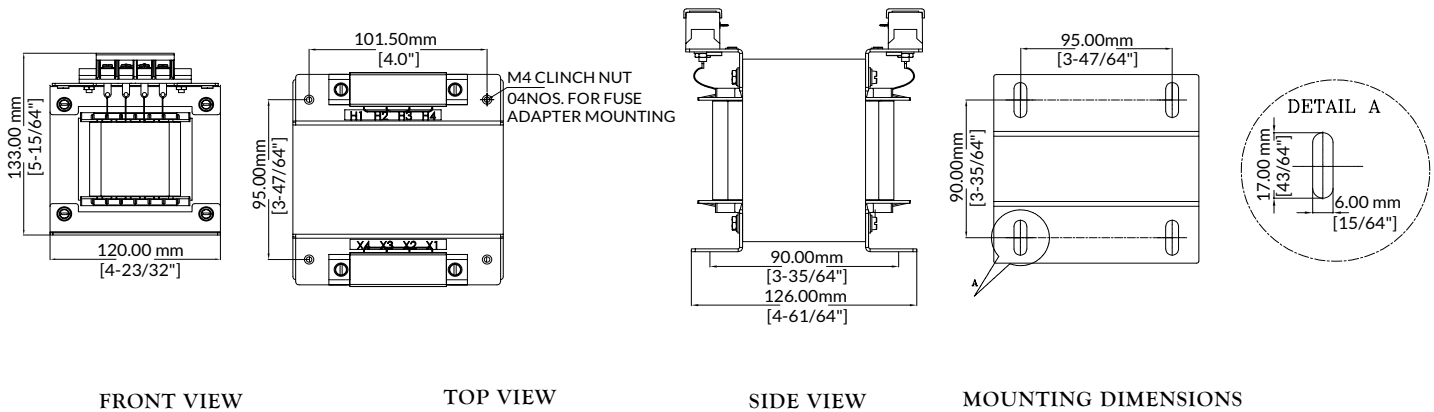
MOUNTING DIMENSIONS



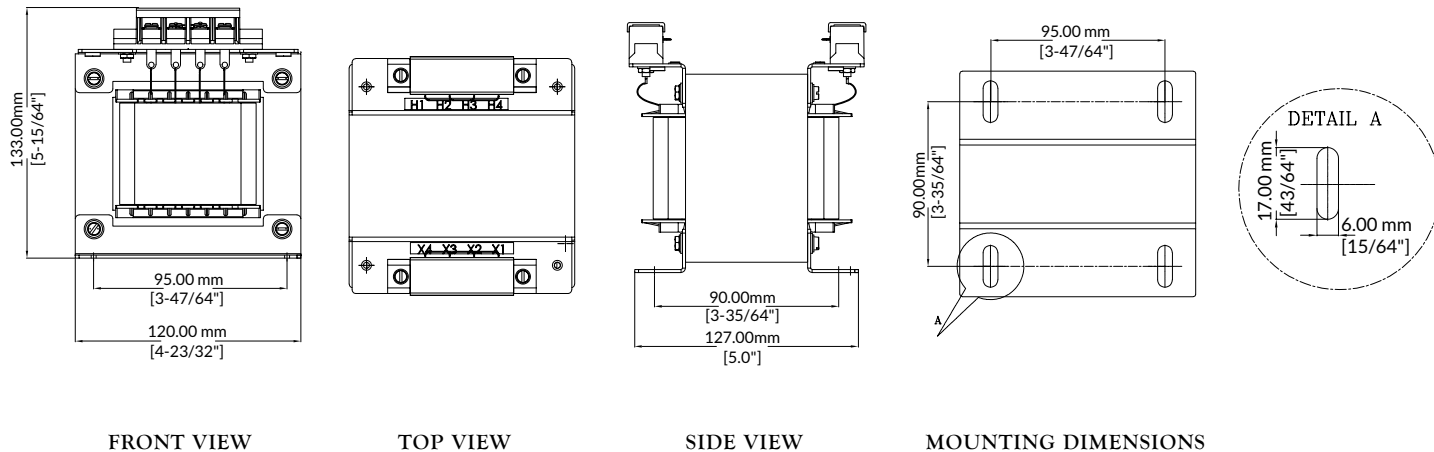
**CPT1-0250- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



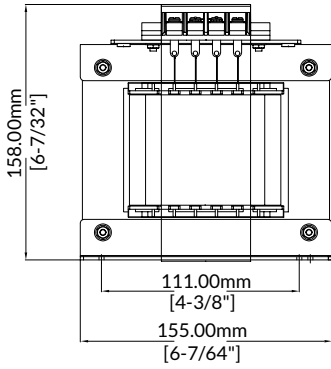
**CPT1-0350- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



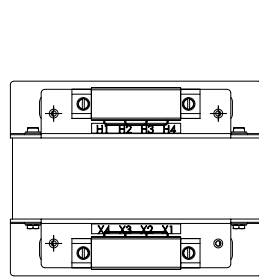
**CPT1-0500- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



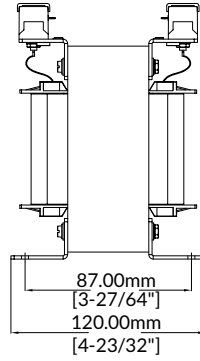
**CPT1-0750- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



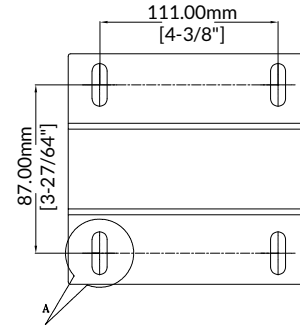
FRONT VIEW



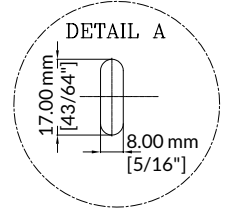
TOP VIEW



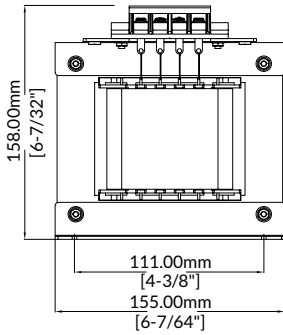
SIDE VIEW



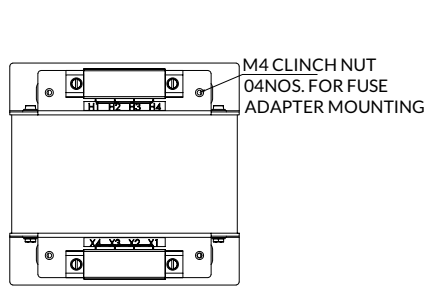
MOUNTING DIMENSIONS



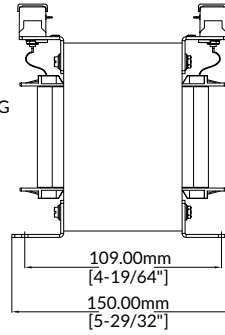
**CPT1-1000- (RD-CS/RD-FD/TS-DS/PM-DS/RM-FD)**



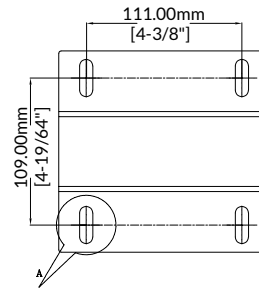
FRONT VIEW



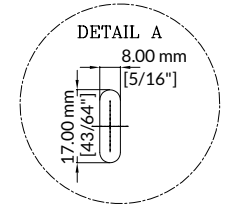
TOP VIEW



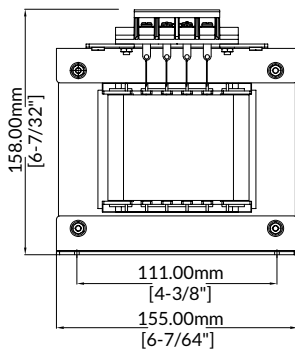
SIDE VIEW



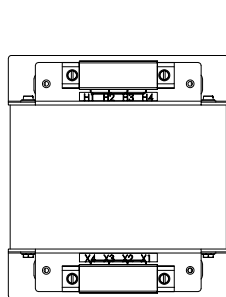
MOUNTING DIMENSIONS



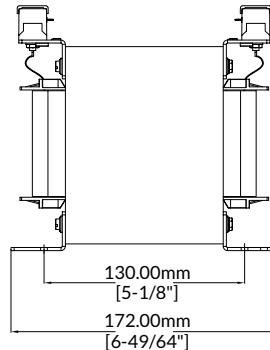
**CPT1-1500- (RD-FD/TS-DS/PM-DS/RM-FD)**



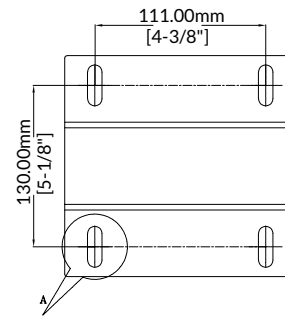
FRONT VIEW



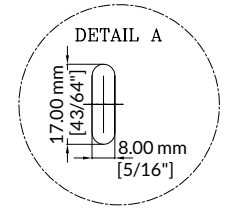
TOP VIEW



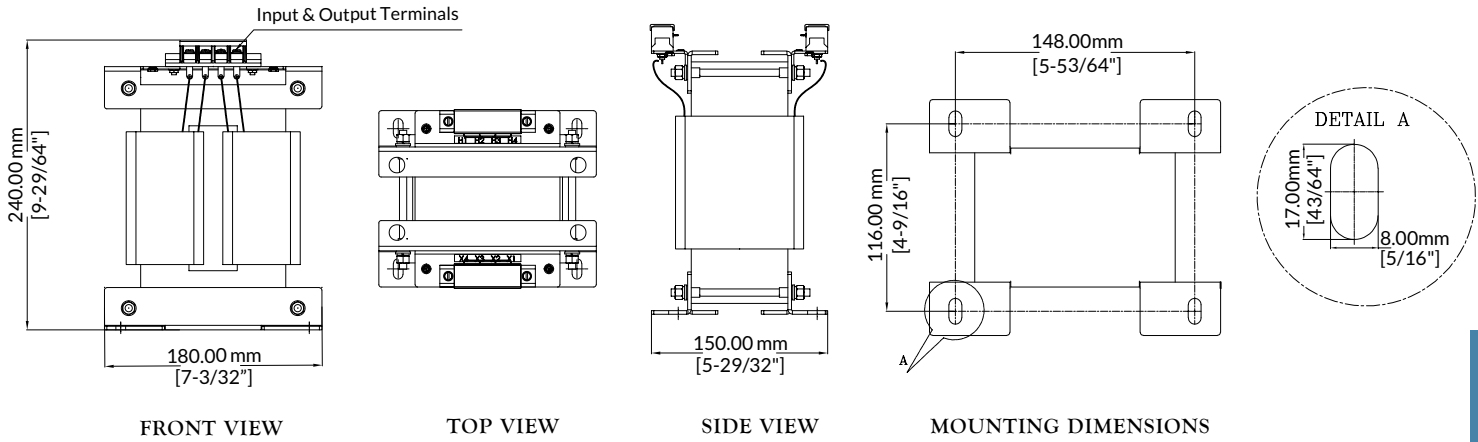
SIDE VIEW



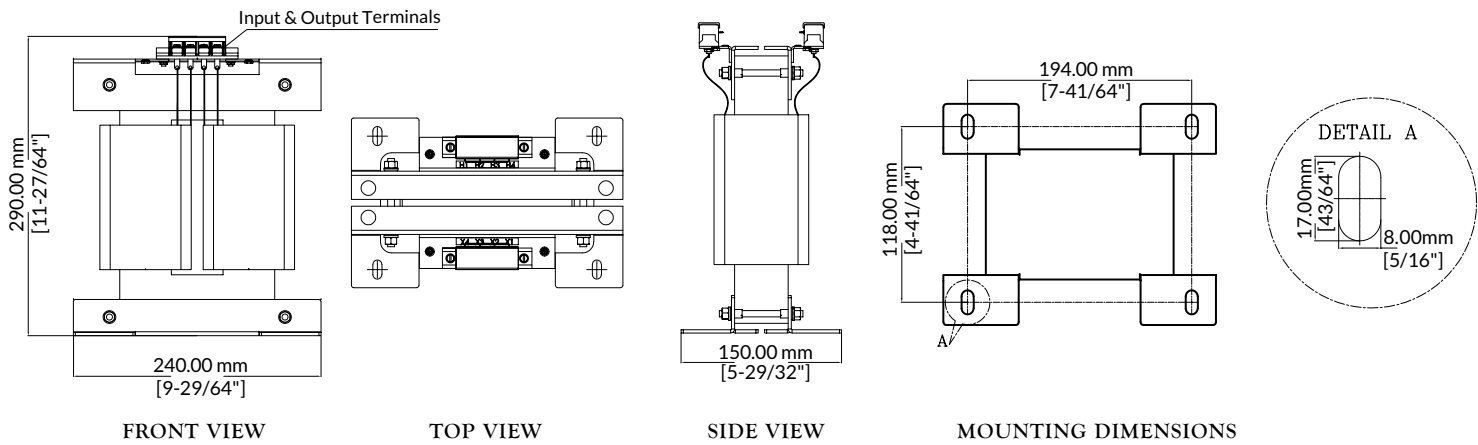
MOUNTING DIMENSIONS



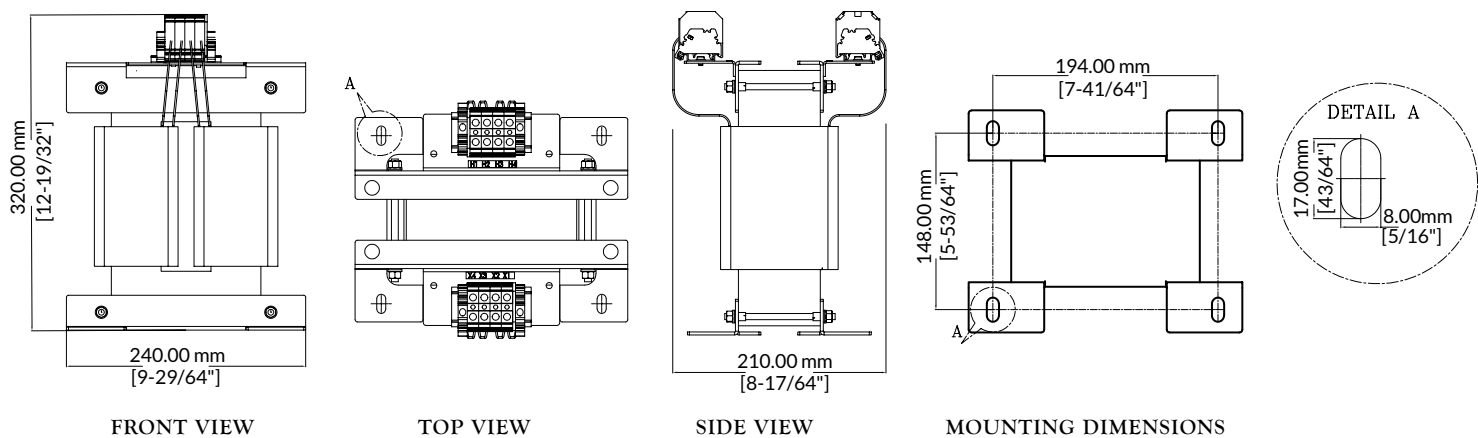
**CPT1-2000- (RD-FD/TS-DS/PM-DS/RM-FD)**



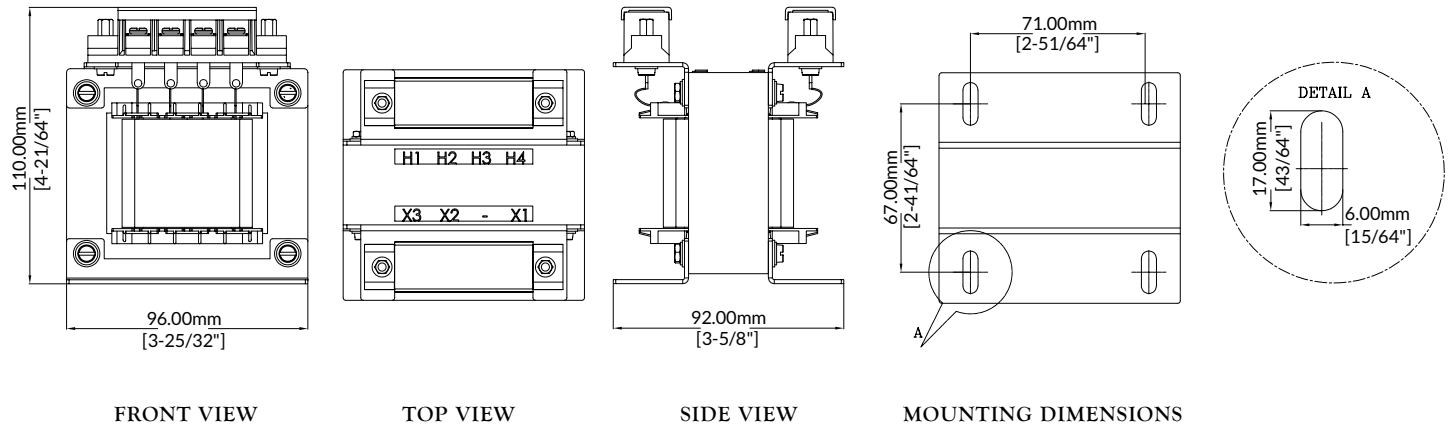
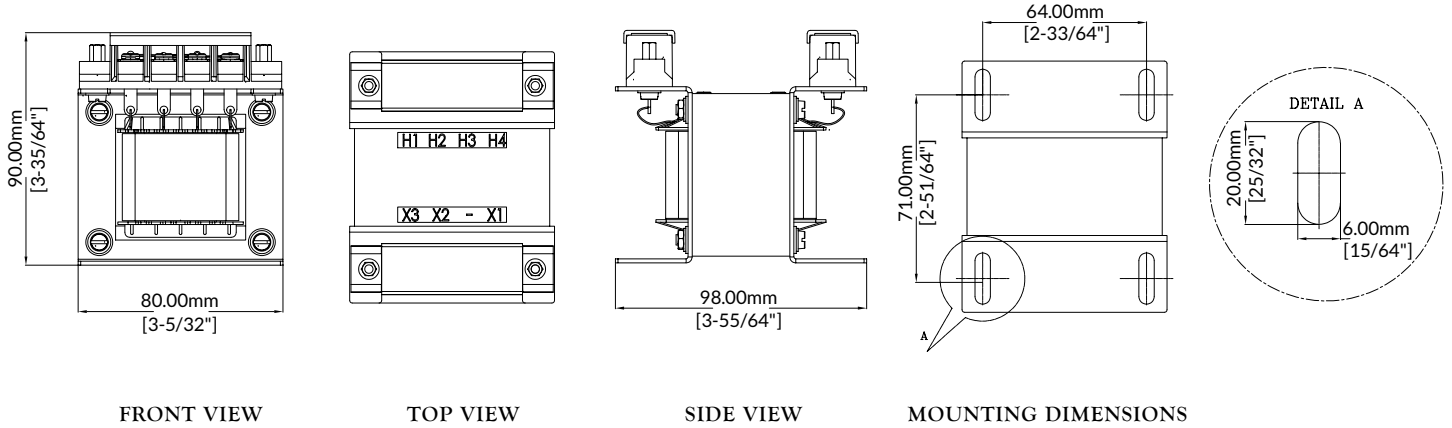
**CPT1-3000- (RD-FD/TS-DS/PM-DS/RM-FD)**



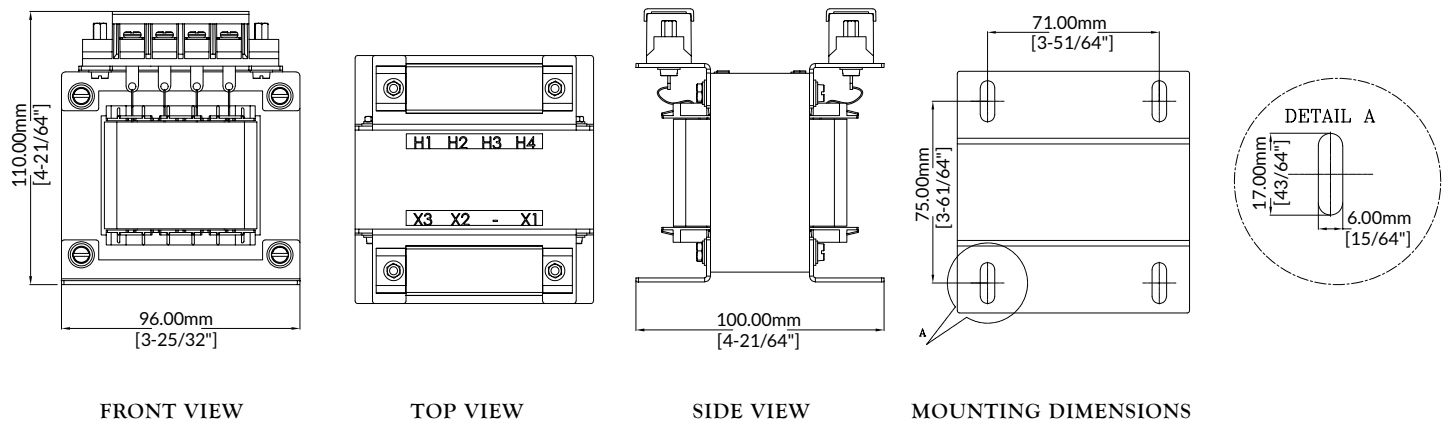
**CPT1-5000- (RD-FD/TS-DS/PM-DS/RM-FD)**



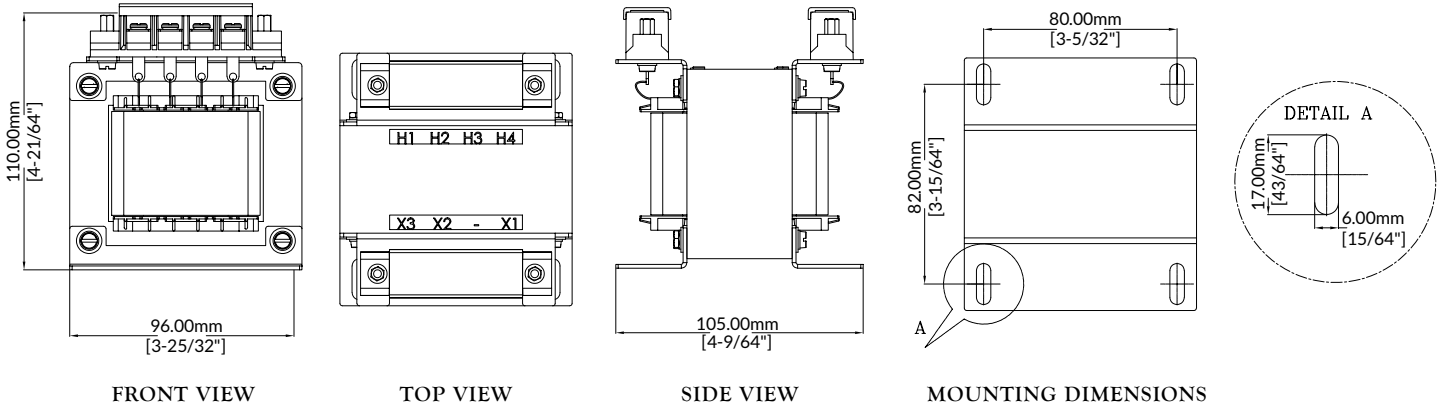
**CPT1-0050-TM-DD**



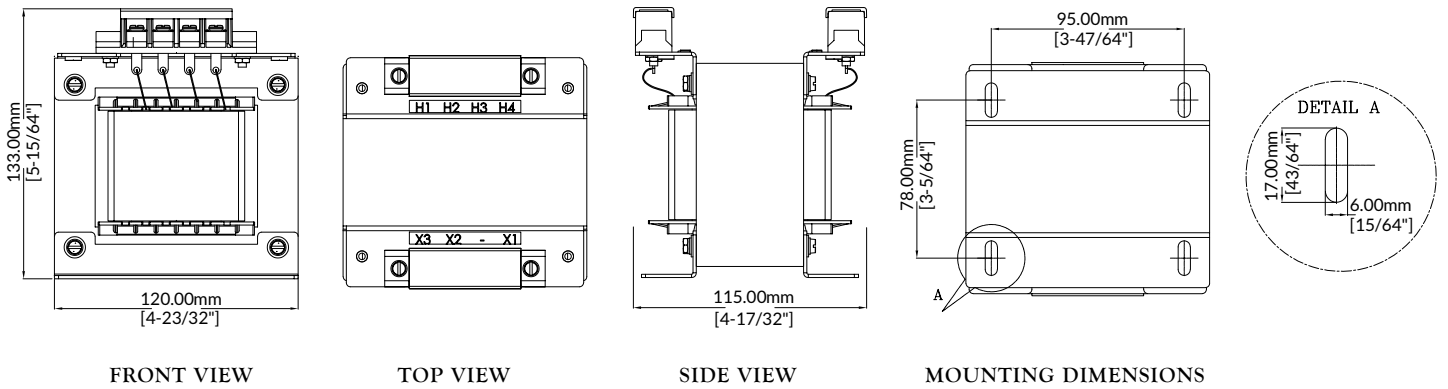
**CPT1-0100-TM-DD**



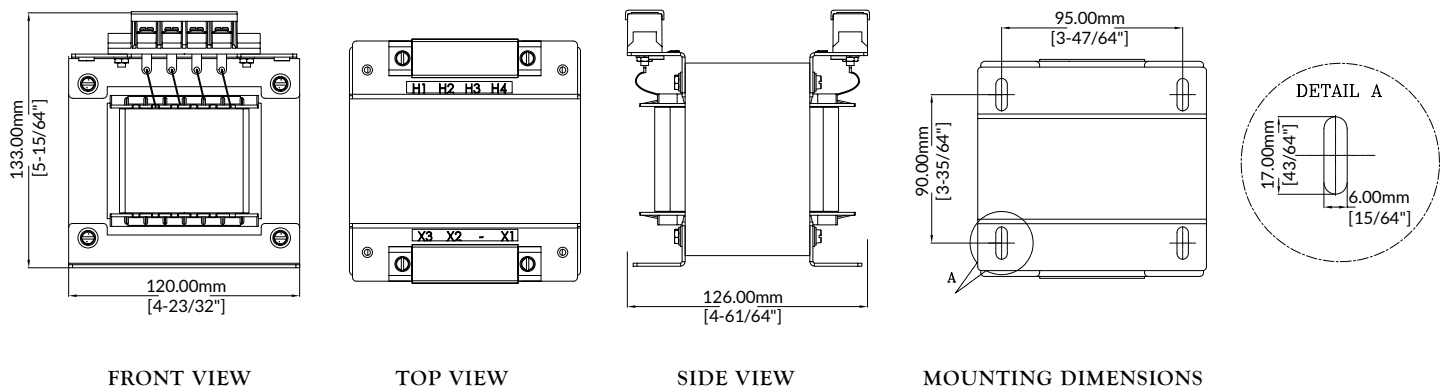
**CPT1-0150-TM-DD**



**CPT1-0250-TM-DD**

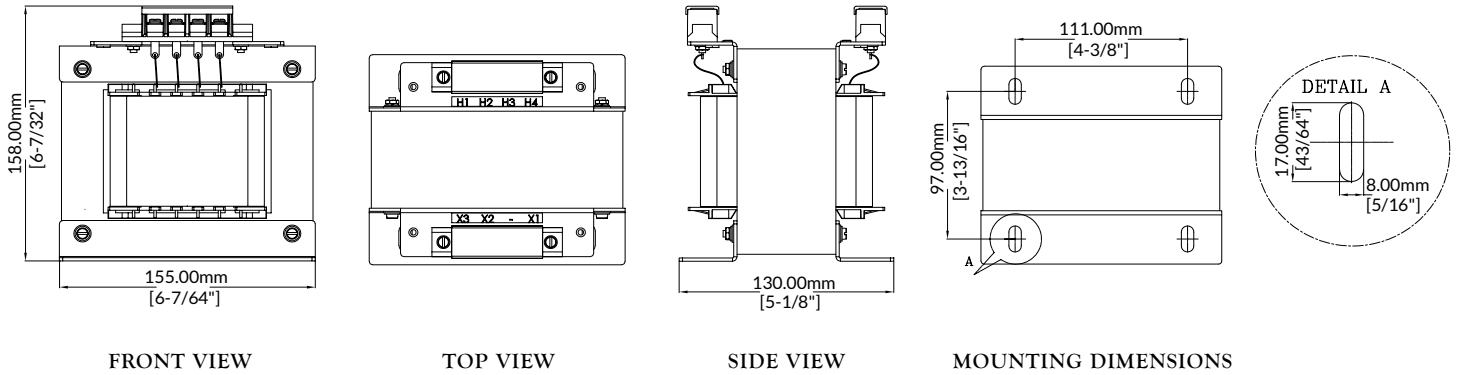


**CPT1-0350-TM-DD**

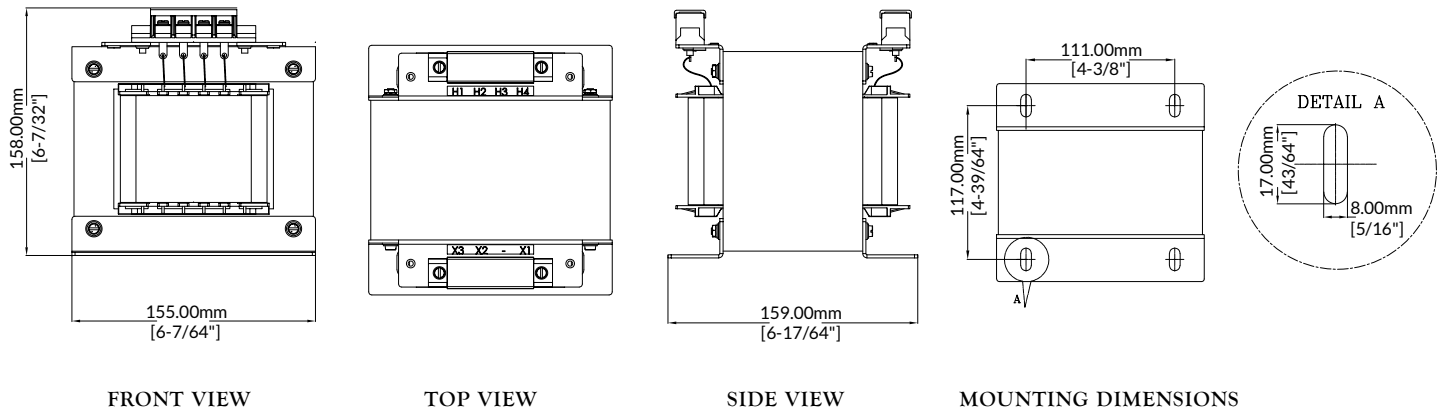




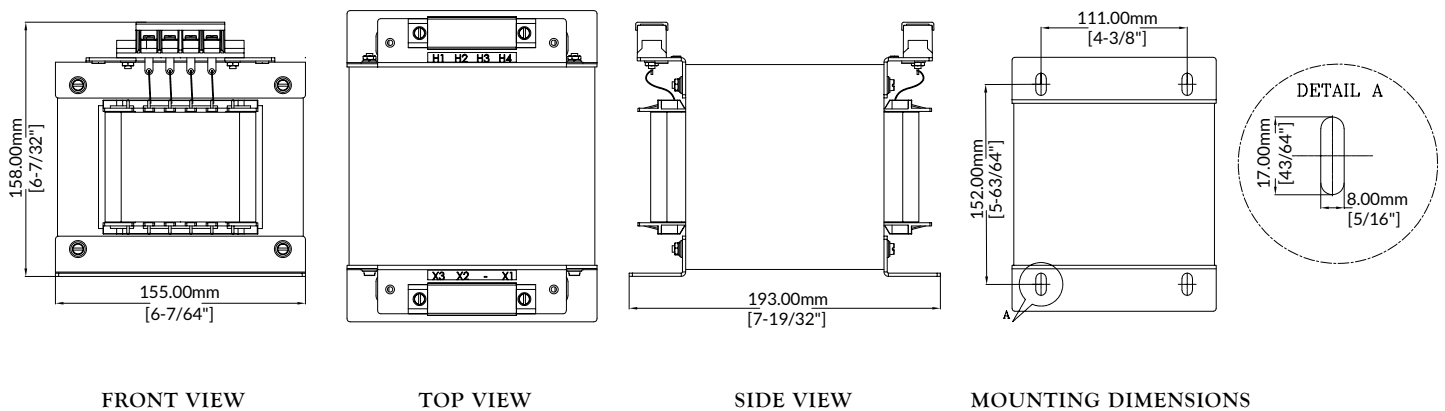
**CPT1-0500-TM-DD**



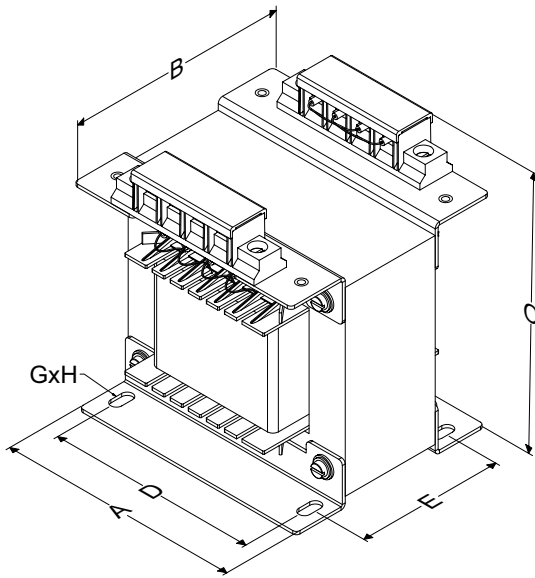
**CPT1-0750-TM-DD**



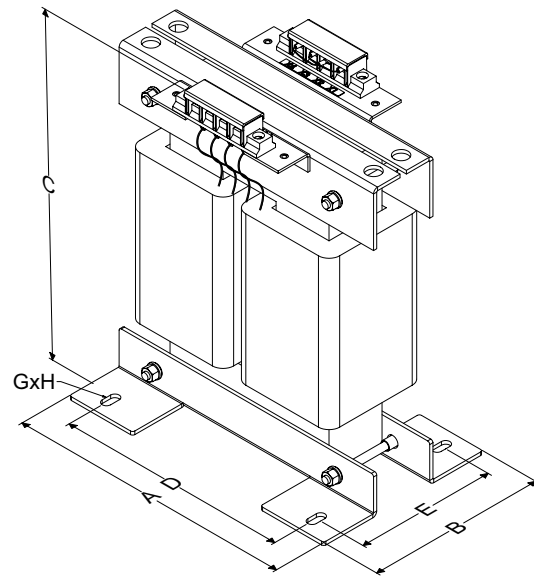
**CPT1-1000-TM-DD**



CPT1-0050-XX-XX TO CPT1-1500-XX-XX



CPT1-2000-XX-XX TO CPT1-5000-XX-XX



CONTROL POWER TRANSFORMERS

| DIMENSION TABLE                               |            |                             |           |            |                             |           |                        |
|-----------------------------------------------|------------|-----------------------------|-----------|------------|-----------------------------|-----------|------------------------|
| CODE                                          | VA RATINGS | OVER ALL DIMENSION - IN[MM] |           |            | MOUNTING DIMENSION - IN[MM] |           | MOUNTING SLOT - IN[MM] |
|                                               |            | A                           | B         | C          | D                           | E         | G X H                  |
| RD-FD,<br>TS-DS,<br>RD-CS,<br>PM-DS,<br>RM-FD | 50         | 3.15[80]                    | 3.35[85]  | 3.54[90]   | 2.52[64]                    | 2.32[59]  | 0.79[20] x 0.24[6]     |
|                                               | 75         | 3.78[96]                    | 3.62[92]  | 3.54[90]   | 2.64[67]                    | 2.80[71]  | 0.67[17] x 0.24[6]     |
|                                               | 100        | 3.78[96]                    | 3.62[92]  | 3.54[90]   | 2.64[67]                    | 2.80[71]  | 0.67[17] x 0.24[6]     |
|                                               | 150        | 3.78[96]                    | 3.94[100] | 4.33[110]  | 3.15[80]                    | 3.07[78]  | 0.67[17] x 0.24[6]     |
|                                               | 250        | 4.72[120]                   | 4.41[112] | 5.24[133]  | 3.15[80]                    | 2.87[73]  | 0.67[17] x 0.24[6]     |
|                                               | 350        | 4.72[120]                   | 4.96[126] | 5.24[133]  | 3.74[95]                    | 3.54[90]  | 0.67[17] x 0.24[6]     |
|                                               | 500        | 4.72[120]                   | 5.00[127] | 5.24[133]  | 3.74[95]                    | 3.54[90]  | 0.67[17] x 0.24[6]     |
|                                               | 750        | 6.1[155]                    | 4.72[120] | 6.3[158]   | 4.37[111]                   | 3.43[87]  | 0.67[17] x 0.31[8]     |
|                                               | 1000       | 6.1[155]                    | 5.91[150] | 6.3[158]   | 4.37[111]                   | 4.29[109] | 0.67[17] x 0.31[8]     |
|                                               | 1500       | 6.1[155]                    | 6.77[172] | 6.3[158]   | 4.37[111]                   | 5.12[130] | 0.67[17] x 0.31[8]     |
|                                               | 2000       | 7.09[180]                   | 5.91[150] | 9.45[240]  | 5.83[148]                   | 4.57[116] | 0.67[17] x 0.31[8]     |
|                                               | 3000       | 9.45[240]                   | 5.91[150] | 11.42[290] | 7.64[194]                   | 4.65[118] | 0.67[17] x 0.31[8]     |
|                                               | 5000       | 9.45[240]                   | 8.27[210] | 12.60[320] | 7.64[194]                   | 5.83[148] | 0.67[17] x 0.31[8]     |
| TM-DD                                         | 50         | 3.15[80]                    | 3.86[98]  | 3.54[90]   | 2.52[64]                    | 2.80[71]  | 0.79[20] x 0.24[6]     |
|                                               | 75         | 3.78[96]                    | 3.62[92]  | 4.33[110]  | 2.8[71]                     | 2.65[67]  | 0.67[17] x 0.24[6]     |
|                                               | 100        | 3.78[96]                    | 3.94[100] | 4.33[110]  | 2.8[71]                     | 2.95[75]  | 0.67[17] x 0.24[6]     |
|                                               | 150        | 3.78[96]                    | 4.13[105] | 4.33[110]  | 3.15[80]                    | 3.23[82]  | 0.67[17] x 0.24[6]     |
|                                               | 250        | 4.72[120]                   | 4.53[115] | 5.24[133]  | 3.74[95]                    | 3.07[78]  | 0.67[17] x 0.24[6]     |
|                                               | 350        | 4.72[120]                   | 4.96[126] | 5.24[133]  | 3.74[95]                    | 3.54[90]  | 0.67[17] x 0.24[6]     |
|                                               | 500        | 6.10[155]                   | 5.12[130] | 6.22[158]  | 4.37[111]                   | 3.82[97]  | 0.67[17] x 0.31[8]     |
|                                               | 750        | 6.10[155]                   | 6.26[159] | 6.22[158]  | 4.37[111]                   | 4.6[117]  | 0.67[17] x 0.31[8]     |
|                                               | 960        | 6.10[155]                   | 7.60[193] | 6.22[158]  | 4.37[111]                   | 5.98[152] | 0.67[17] x 0.31[8]     |